

AUG. OF PIPED RWSS SONKHARI
TEHSIL:- KATHUMAR DISTT:- ALWAR

GOVT. OF RAJASTHAN PHED DIVISION RAJGARH

PROPOSALS FOR TECH. SANCTION
AUG. OF PIPED RWSS SONKHARI
TEH. KATHUMAR DISTT. ALWAR

ESTIMATED COST RS. 69.34 LACS

SUBMITTED BY:-

EXECUTIVE ENGINEER PHED DIVISION RAJGARH



Office of Chief Engineer (Rural)
Public Health Engineering Department, Jal Bhawan, 2-Civil Lines
Jaipur, Rajasthan-302006

Phone: 0141-2222183 Fax: 0141-2223197 e-mail: raj_ce@nic.in

A & F Sanction No. 1415SLSSC521 Dated : 11/03/2015

Additional Chief Engineer
PHED, Region - NCR (Hq), Alwar

Sub : Administrative & Financial sanction of proposal for WSS Sonkhari, Kathumar
(E.C. Rs. 69.34 lac) , Alwar
Ref : 13/3.9.2014

In Exercise of power delegated, Administrative and Financial sanction of Rs. 69.34 lac is hereby accorded for the proposal of WSS Sonkhari, Kathumar subject to the following conditions :

Name of Scheme / Work : WSS Sonkhari, Kathumar

Amount of A & F sanction (Rs.) : 69.34 lac

Budget Head :-

NRDWP-Coverage - Amount (Rs.) : 69.34 lac

CSS Amount (Rs.) : 34.67 lac

State Plan Amount (Rs.) : 34.67 lac

Chief Engineer (Rural) & Member SLSSC
PHED, Rajasthan - Jaipur

Copy to following for information and necessary action :-

- 1) Special Assistant to Honorable Minister, PHED, Rajasthan - Jaipur.
- 2) PS to Principal Secretary, PHED, Rajasthan - Jaipur.
- 3) FA & CAO, RWSSMB - Jaipur.

Chief Engineer (Rural) & Member SLSSC
PHED, Rajasthan - Jaipur

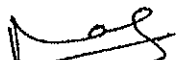
PHED Sub. Dn. Kathumar

AUG. OF PIPED RWSS SONKHRI



DISTRICT ALWAR

GENERAL ABSTRACT OF COST

S.No.	Particulars	Qty.	Unit	Rate Rs. In Lacs	Amount (Rs. In Lacs)
1	Construction of 200mm dia tube wells, Supply & installation of submersible pump sets & other allied works.	2	Each	5.00	10.00
2	Providing, Laying & Jointing of pipe line in assorted length with specials etc and interconnection including cc road repair.				
i	Rising & Distribution lines	As per detailed estimate Enclosed			31.24
3	Provision for construction & commissioning of RCC GLSR of capacity 1x235 KL as per contractor's own design & drawing complete as per specifications.				
i	GLSR 1 x 235 KL	235	KL	8.00	18.80
4	Provision for dismantling and reconstruction of CC road in original position complete as per specifications				
i	Rising & Distribution lines	As per detailed estimate Enclosed			1.00
5	Provision for power connection as per requirement	2	Each	2.50	5.00
	Total				66.04
	Add 5% contingency charges				3.30
	Total				69.34
	GRAND TOTAL				69.34
	Say Rs.				69.34 LACS


Assistant Engineer
PHED Sub. Dn. Kathumar


Executive Engineer
PHED Dn Rajgarh

TECHNICAL SANCTION
For Rs... 66.04 Lacs...
Estimate No. 23 Date 24/11/14
Ch. Head... NRDWP...
 T. A.

Superintending Engineer
P.H.E.D. Circle, ALWAR

AUG. OF PIPED RWSS SONKHARI

TEHSIL:- KATHUMAR

DISTT:- ALWAR

GENERAL & ENGINEERING REPORT

1. Introduction :

The Village SONKHARI (code No.073795) is having total population 4318 souls as per 2011 census, and benefitted presently by piped water supply scheme. The village is situated at a distance of.....KMS from Kathumar tehsil head quarter of Distt. Alwar and connected by road.

2. Location & Civil Amenities :

The village is situated at a distance of.....KMS from Kathumar tehsil head quarter of Distt. Alwar and connected by road and basic amenities are as under:-

- a) Govt. School
- b) Bus Stand
- c) Panchayat Bhawan
- d) Patwar Ghar
- e) Pokhar
- f) Aanganbari Centre

3. Topography & Geological Features :

The village is having Water table in wells about 30-40 meter below G.L. & ground strata is alluvial/rocky/boulder.

4. Climate :

The climate of District, village characterizes low rainfall upto 400-500 mm per annum, high potential of evaporation & extreme temperature. The average annual rainfall of district is about 450 mm. The maximum Temp. in summer season is up to 48° Celsius and minimum is 8° Celsius.

5. Design of Population & Daily Demand :

The total population of Village KHOH as per 2011 census is 4318 souls. The designed population of the village for the year 2029 comes out to be as 5829 souls, taking design factor 1.35 considering 18% decadal growth. As per ARP

AUG. OF PIPED RWSS SONKHARI

TEHSIL:- KATHUMAR

DISTT:- ALWAR

norms per capita supply is taken 40 lpcd. The designed daily demand of village comes out to 233 KLD.

6. Existing Water Supply Arrangements :

At present, the village is covered by piped WSS having 02 No. of TW's working with very weak discharge,no of working hand pumps & 01 No. single phase including various dhanies with very low yield. The average service level of the village is 19 LPCD by supplying water through already laid AC class 10 pipe line which is damaged and jointed at several places and also of insufficient capacity. The existing 80 KL reservoir on hillock is also structurally damaged and leaking at several places which is not further usable.

7. Proposed Solution :

To provide safe water to the village augmentation of this piped water supply scheme is proposed. Therefore the scheme is proposed involving the following works to envisage the service level 40 LPCD for designed year 2029 –

- i) 02 No. of TWs of 200 mm dia and 200 mtr depth as suggested by the hydro geologist in his report enclosed.
- ii) 01 No. of RCC GLSR of capacity 235 KL on hillock is also proposed as per map enclosed.
- iii) Rising & Distribution pipe line 200/160/140/125/110/90 mm Upvc cl-3 in total 5200 mtr. length to cover the village & 100 mm DI K-7 pipe line in 472 mtr. length for road and nallah crossings etc.
- iv) 02 Nos power connections at new TWs.

8. Treatment Plant :

As the ground water has been adopted in the scheme, it is proposed to disinfect water by bleaching powder. Therefore no additional provision for bleaching power dosing plant has been taken in this proposal.

9. Power Connection :

The source village is already electrified and power supply is available for 8 hours. So the provision for new power connection at 02 No TWs have been taken.

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TEHSIL:- KATHUMAR DISTT:- ALWAR

10. T&P and Others :

No additional provision for T&P is required in this scheme.

11. Land Acquisition :

Provision for land acquisition has not been taken in the scheme as land is free of cost available from the Gram Panchayat.

12. Execution and Maintenance :

The scheme will be executed and maintained by PHED Rajasthan..

13. Civil Works :

No additional provisions for civil works have been taken in the scheme except RCC reservoirs and RWHS structures.

14. Cost of the Scheme :


The total cost of the scheme comes to **Rs. 69.34 Lacs.**

15. Cost per Capita :

Cost per Capita on 2014 Population	Rs. 1530/=
Cost per Capita on 2029 population	Rs. 1190/=

16. Mode of Finance :

The proposal is framed for T.S. against A&F issued for AUG. OF PIPED RWSS KHOH under 4215 Col. NRDWP.


Assistant Engineer
PHED Sub-Dn. Kathumar


Executive Engineer
PHED Dn. Rajgarh

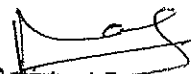
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